



Image may differ from product. See technical specification for details.

TU 511 M

Take-up cast iron housing for insert bearing, ISO

Take-up cast iron housings are non-split housings made of grey cast iron and are designed to provide a high degree of stiffness and accommodate heavy loads acting in different directions. These types of loads are typically encountered in conveyors, roller beds and crushers.

- Stiff housing
- Accommodate heavy radial loads in all directions
- Narrow width

Overview

Dimensions

Spherical seating diameter	100 mm
Housing overall width	64 mm

Properties

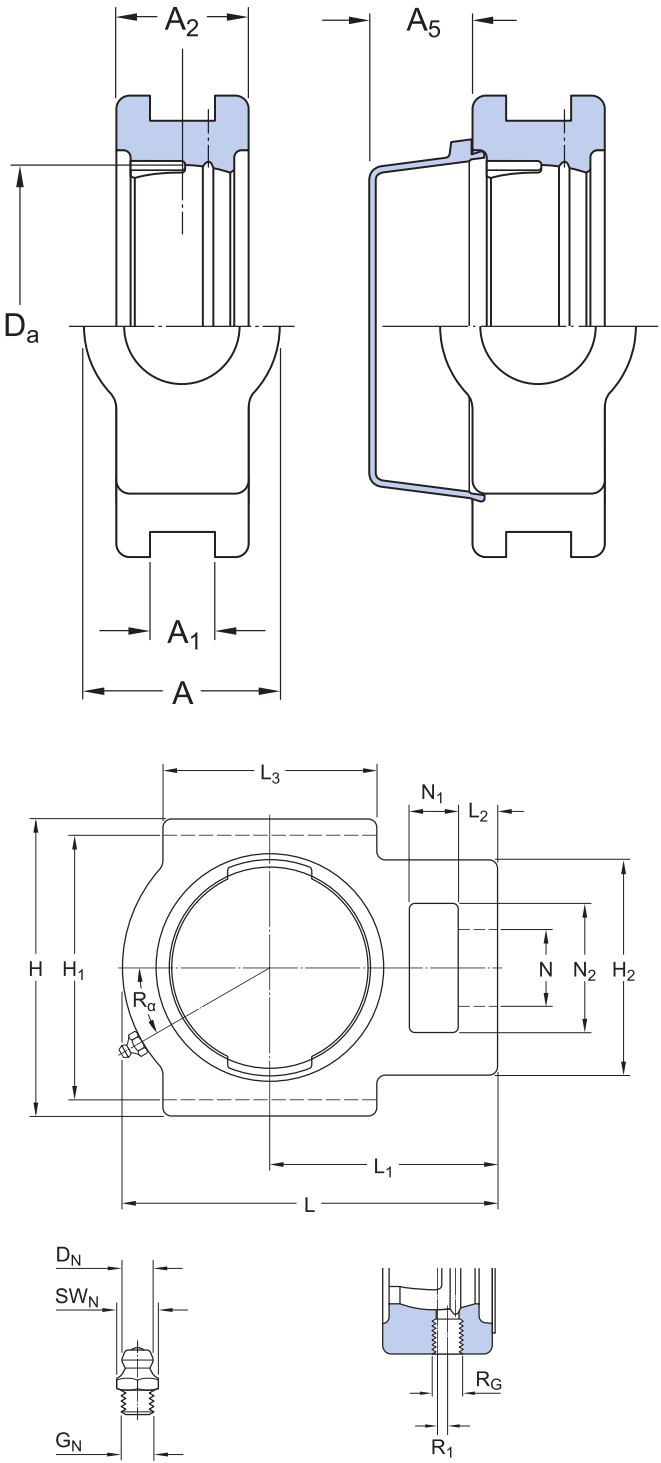
Housing type	Take-up
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Logistics

Product net weight	2.74 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material	Cast iron
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Dimensions

D _a	100 mm	Diameter of spherical seat
A	64 mm	Overall width
A ₁	27 mm	Width of location slot
A ₂	41 mm	Width of flange in which location slot is provided
A ₅	33.5 mm	Standout of end cover
H	146 mm	Overall height
H ₁	130 mm	Distance between bottoms of location slot
H ₂	102 mm	Height of attachment end
L	171 mm	Overall length
L ₁	106 mm	Distance from attachment end face to centre line of spherical seat diameter
L ₂	19 mm	Length attachment end
L ₃	95 mm	Length of locations slot
N	35 mm	Diameter of attachment bolt hole
N ₁	25 mm	Length of attachment slot
N ₂	64 mm	Height of attachment slot

GREASE FITTING

D _N	6.5 mm	Diameter of head sphere of grease fitting
SW _N	7 mm	Hexagonal key size for the grease fitting
G _N	1/4-28 SAE-LT	Thread of the grease fitting

THREADED HOLE

R _G	1/4-28 UNF	Housing thread for the grease fitting
R ₁	5 mm	Axial position of the housing thread
R _a	30 °	Angular position of the housing thread

Associated products

End cover

ECY 211

Tolerances and clearances

The values depend on the included bearing:

- Bore diameter tolerance → [table 1](#)
- Radial internal clearance → [table 2](#)
- Recommended fit → [table 3](#)
- Shaft tolerance → [table 4](#)

Compatible products

Recommended product

End cover for bearing units

[ECY 211](#)

More Information

 Product details Take-up units to ISO standards Take-up units to North American standards Take-up units to Japanese Industrial Standards (JIS) Take-up units, not standardized (SKF Food Line) Permissible misalignment Locating/non-locating support Loads Temperature limits Permissible speed Lubrication Mounting and dismounting Ordering information Designation system	 Engineering information  Principles of ball bearing units selection and application - Download catalogue (4.9 MB) Principles of selecting mounted bearing solutions Bearing failure and how to prevent it	 Tools SKF Product select Bearing Frequency Calculator
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